

Civil Engineering Grading and Drainage Notes

1. A GRADING PERMIT IS REQUIRED.
2. NO MINIMUM FINISH FLOOR ELEVATION SHALL BE ALTERED.
3. STAKING FINISH FLOOR ELEVATION IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS ENGINEER.
4. CERTIFIED SHALLOW PIT PERCOLATION TEST RESULTS ARE _____CFH/SF. BASED ON A 50% ATTENUATION OF THE SHALLOW PIT PERCOLATION TEST RESULTS, THE ESTIMATED DRAINAGE TIME OF RETENTION POND _____ IS _____ HRS. IF TIME IS GREATER THAN 36 HOURS ONE OR MORE DRYWELLS ARE REQUIRED.
5. CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. BOTTOM OF BASIN SHALL BE GRADED TO DRAIN TOWARD DRYWELLS (WHEN USED). MAXIMUM SIDESLOPES SHALL BE 4:1.
6. DRYWELL INLET GRATE SHALL BE 2" ABOVE FINISH GRADE AT BOTTOM OF THE RETENTION BASIN.
7. DRILLING LOGS FOR DRYWELLS WILL BE FURNISHED TO THE CITY INSPECTOR PRIOR TO FINAL ACCEPTANCE.
8. A PERCOLATION TEST WILL BE REQUIRED OF COMPLETED DRYWELLS PRIOR TO ACCEPTANCE. SHOULD EXISTING SOIL CONDITIONS BE ENCOUNTERED WHICH LACK SUFFICIENT PERCOLATION RATES, ADDITIONAL DRYWELLS OR AN ALTERNATE METHOD OF STORM WATER RUN-OFF DISPOSAL WILL BE REQUIRED. THE PERCOLATION RATE FOR DRYWELL NO. * IS * CFS.
9. DRYWELL CONSTRUCTION SHALL BE DONE ONLY BY CONTRACTORS LICENSED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY. APPLICATION FOR DRYWELL REGISTRATION WAS SUBMITTED TO ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY ON _____ (DATE).
10. THE APPROVED DRYWELL REGISTRATION SHALL BE SUBMITTED TO THE CITY BY THE DEVELOPER OR HIS ENGINEER AT THE TIME AS-BUILTS ARE SUBMITTED.
11. ALL WEEP HOLES IN WALLS SHALL BE PROVIDED WITH EROSION PROTECTION 12" THICK WITH D50 = 4" RIPRAP, 24" IN WIDTH, EXTENDED TO THE BACK OF SIDEWALK OR TO THE BOTTOM OF RETENTION BASIN, WHICHEVER APPLIES.

* SEE LOG HERIN.